

**REPLY UNDER 37 C.F.R. 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 2616
PATENT
Application 10/732,750
Attorney Docket 2002-0389 (1014-054)**

AMENDMENTS

AMENDMENTS TO THE CLAIMS

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1. (Currently Amended) A method, comprising:
at a bandwidth manager communicatively coupled to a communications network, for
each of a plurality of subscribed services associated with a subscriber endpoint in ~~a~~ the
communications network, for a wired connection associated with the subscribed service:
determining a current Quality of Service (QOS) metric;
based on the current QOS metric and historical QOS metrics for the subscribed
service, adjusting a QOS-affecting variable to change a future QOS metric; and
determining the future QOS metric determined based upon a statistical regression
of at least one of the historical QOS metrics, the bandwidth manager adapted to choose a
compression method for each of the plurality of subscribed services based upon the
current QOS metric. the bandwidth manager adapted to change the compression method
for each of the plurality of subscribed services based upon the future QOS metric.
2. (Original) The method of claim 1, further comprising:
determining the historical QOS metrics.
3. (Currently Amended) The method of claim 1, further comprising:
performing the statistical regression ~~if the at least one of the historical QOS metrics.~~
4. (Original) The method of claim 1, further comprising:
estimating the future QOS metric.
5. (Original) The method of claim 1, further comprising:
estimating the future QOS metric for the wired connection.

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6. (Original) The method of claim 1, further comprising:
determining the QOS-affecting variable.
7. (Original) The method of claim 1, further comprising:
determining an adjustment to the QOS-affecting variable.
8. (Currently Amended) The method of claim 1, wherein the future QOS metric fulfills a requirement of the subscribed service, the bandwidth manager adapted to allow different endpoints with different access speeds to view a multimedia conference without reducing a QOS of conferees with high access speeds.
9. (Cancelled)
10. (Original) The method of claim 1, wherein the QOS-affecting variable is compression algorithm.
11. (Original) The method of claim 1, wherein the QOS-affecting variable is transmission rate.
12. (Original) method of claim 1, wherein the current QOS metric is sound clarity.
13. (Original) The method of claim 1, wherein the current QOS metric is sound fidelity.
14. (Original) The method of claim 1, wherein the current QOS metric is voice quality.
15. (Original) The method of claim 1, wherein the current QOS metric is video picture quality.

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16. (Original) The method of claim 1, wherein the current QOS metric is video picture movement.

17. (Original) The method of claim 1, wherein the current QOS metric is response time.

18. (Original) The method of claim 1, wherein the current QOS metric is error rate.

19. (Currently Amended) A machine-readable medium comprising instructions for activities comprising:

at a bandwidth manager communicatively coupled to a communications network, for each of a plurality of subscribed services associated with a subscriber endpoint in a-the communications network, for a wired connection associated with the subscribed service:
determining a current Quality of Service (QOS) metric;
utilizing the current QOS metric and historical QOS metrics for the subscribed service, adjusting a QOS-affecting variable to change a future QOS metric; and
determining the future QOS metric determined based upon a statistical regression of at least one of the historical QOS metrics, the bandwidth manager adapted to choose a compression method for each of the plurality of subscribed services based upon the current QOS metric, the bandwidth manager adapted to change the compression method for each of the plurality of subscribed services based upon the future QOS metric.

20. (Currently Amended) A system comprising:

for each of a plurality of subscribed services associated with a subscriber endpoint in a communications network, for a wired connection associated with the subscribed service:
means for determining a current Quality of Service (QOS) metric;
utilizing the current QOS metric and historical QOS metrics for the subscribed service, means for adjusting a QOS-affecting variable to change a future QOS metric; and

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determining the future QOS metric determined based upon a statistical regression of at least one of the historical QOS metrics, the means adapted to choose a compression method for each of the plurality of subscribed services based upon the current QOS metric, the bandwidth manager adapted to change the compression method for each of the plurality of subscribed services based upon the future QOS metric.

21. (Original) The method of claim 1, further comprising:

causing a multimedia conference to be viewed at the subscriber endpoint, the multimedia conference one of the plurality of subscribed services, video of the multimedia conference provided to the subscriber endpoint, the video compressed at a compression rate, the multimedia conference provided with still pictures to a second endpoint, the still pictures provided responsive to an automatic determination that the second endpoint is connected to the multimedia conference via a connection that lacks sufficient bandwidth to receive the video of the multimedia conference at the compression rate.